## We Claim:

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 A catalytic converter for the after-treatment of exhaust gas of an internal combustion engine, comprising:

a housing 2 having an internal space 5 for receiving exhaust gas therethrough, wherein surfaces of walls of said housing 2 facing said internal space 9 are at least partially provided with catalytically active material in a flow path between inlet and outlet means 10, 8 for exhaust gas, and

hollow domes 7 disposed on oppositely disposed walls of said housing 2, wherein said hollow domes 7 extend into said internal space 9, wherein free ends of said hollow domes are provided with said outlet means 8, and wherein the free ends of those hollow domes 7 on one of said walls 5,6 extend beyond free ends of those hollow domes of the oppositely disposed wall 6,5

- 2. A catalytic converter according to claim 1, wherein a plurality of hollow domes 7 are provided on each of said oppositely disposed wal 5, 6 of said housing 2, and wherein the hollow domes 7 on one of said walls 5, 6 extend into spaces between the hollow domes of the oppositely disposed wall 6, 5
- 3. A catalytic converter according to claim 1, wherein said housing 2 s composed of two shell portions 3, 4, each of which is provided with one of said oppositely disposed walk 5, 6.
- 4. A catalytic converter according to claim 3, wherein said shell portions 3, 4 are one-piece drawn parts of plate metal.
- 5. A catalytic converter according to claim 1, wherein said hollow domes 7 have an essentially cylindrical configuration.

- 6. A catalytic converter according to claim 5, wherein said hollow domes 7 have a conical configuration that tapers towards said free ends thereof.
- 7. A catalytic converter according to claim 1, wherein said free ends of said hollow domes 7 extend nearly to the oppositely disposed wall 5,6 while forming a flow gap (13)

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- 8. A catalytic converter according to claim 7, wherein the flow gap 13 of outwardly disposed ones of said hollow domes 7 has a reduced cross-section.
- 9. A catalytic converter according to claim 1, wherein outer surfaces of said hollow domes 7 are provided with a catalytically active coating.
- 10. A catalytic converter according to claim 3, wherein said shell portions 3, 4) rest against one another via a peripheral flange collar 15.
- 11. A catalytic converter according to claim 10, wherein said shell portions 3,4 are connected by means of an edge bead 17 in the vincinity of said flange collar 15.
- 12. A catalytic converter according to claim 10, wherein one of said shell portions 4 has a pot-shaped configuration and is provided with said flange collar 15 wherein the other of said shell portions 3 is provided with an abutment edge 16 that is guided beyond a region of one of said oppositely disposed walls 5 that is provided with said hollow domes 7 and wherein said abutment edge 16 has the dimensions of said flange collar 15
- 13. A catalytic converter according to claim 1, wherein said outlet mean 8 provided on said free ends of said hollow domes 7 form an outlet for said catalytic converter.

- 14. A catalytic converter according to claim 1, which is embodied for use in a muffler 20 and forms an inlet of said muffler.
- 15. A catalytic converter according to claim 14, wherein when said catalytic converter is installed in said muffler 20 an inlet means 10 of said housing 2 in the form of an inlet window is disposed at the same level as an inlet opening 21 of said muffler 20

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16. A catalytic converter according to claim 14, wherein said housing 2 is provided with aligned holes 27 for receiving fixing or mounting elements that extend through said housing 2